GENETIC TESTING LABORATORIES

**Biochemical Genetics Laboratory** **08/05/2020**

| | |
|---|---|
| **Ordered By** | **Patient Name**: Test, Test |
| Physician Name: Physician, Test | Accession #: R5001 Specimen #: X_5001P |
| | Specimen: Plasma |
| **Reason for Referral**: TEST | Birthdate: 08/05/2020 Age: 0 |
| | Gender: Male |
| | MRN #: 08052020 Collected: 08/05/2020 |
| | Ethnicity: Received: 08/05/2020 |

# Free and Total Carnitine Analysis

## RESULTS

| ANALYTE | REFERENCE RANGE* | RESULT* | FLAG |
|---|---|---|---|
| Free Carnitine (FC) | *12-36* | **21.2** | |
| Total Carnitine (TC) | *23-68* | **31.2** | |
| Acyl Carnitine (AC) | *7-37* | **10.0** | |
| AC/FC Ratio | *0.4-1.7* | **0.5** | |

*Values in micromols/L

## ASSAY INFORMATION

### Method

Carnitine values are measured using electrospray ionization tandem mass spectrometry. Total carnitine levels are determined following alkaline hydrolysis.

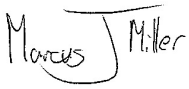
### Limitations/Disclaimer

Results should be viewed in the context of diet, supplementation, and/or possible maternal effect (in newborns).

This test was developed and its performance characteristics determined by Indiana University Biochemical Genetics Laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. This test is used for clinical purposes. It should not be regarded as investigational or for research. The laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) as qualified to perform high complexity clinical laboratory testing. CLIA# 15D0647198 • CAP# 1678930

## ELECTRONICALLY SIGNED BY

Marcus J. Miller, Director of the Biochemical Genetics Laboratory, 08/05/2020



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